

AMENDMENTS

Please replace the following original claims with the following amended claims:

1. (AMENDED) ~~A-transparent~~The transaction device comprising:
 - a. at least one of a translucent and transparent device surface;
 - b. a machine recognizable compound associated with a portion of said surface; and
 - c. a transponder system interfacing in communication with said device surface, said transponder system operable to receive a first RF interrogation signal, authenticate said first RF interrogation signal, and transmit a transponder system account data, said transponder system comprising:
 - i. a first transponder responsive to said RF interrogation signal;
 - ii. a transponder system authentication circuit in communication with ~~at least one of said first transponder and second transponder~~;
 - iii. a transponder system database in communication with said first transponder.
2. (AMENDED) ~~A-transparent~~The transaction device of claim 1, wherein said machine recognizable compound is extrusion coated to ~~said~~at least one of ~~a~~said translucent and transparent ~~card~~device surface.
3. (AMENDED) ~~A-transparent~~The transaction device of claim 1, wherein at least one of said translucent and transparent layers comprises a plurality of perforations.
4. (AMENDED) ~~A-transparent~~The transaction device of claim 3, wherein said plurality of perforations forms a pattern in at least one of said translucent and transparent layers.
5. (AMENDED) ~~A-transparent~~The transaction device of claim 3, ~~further~~comprising a subassembly of film layers, ~~wherein said subassembly comprises the second layer and further~~wherein ~~the~~said subassembly comprises ~~the~~said plurality of perforations ~~through said subassembly~~therethrough.

6. (AMENDED) ~~A transparent~~The transaction device of claim 1, ~~further~~comprising:

a. a second transponder system interfacing in communication with said ~~ear~~device surface, said second transponder system operable to receive ~~said~~a second RF interrogation signal, authenticate said second RF interrogation signal, and transmit said transponder system account data, said second transponder system comprising:

- i. a second transponder responsive to said second RF interrogation signal;
- ii. a second transponder system authentication circuit in communication with at least one of first transponder and -second transponder; and
- iii. a second transponder system database in communication with said second transponder system authentication circuit.

7. (AMENDED) The ~~transparent~~transaction device of claim 1, ~~further~~comprising a plurality of layers wherein a first layer comprises a first polymer and a second layer comprises a second polymer wherein said plurality of layers is at least one of a transparent or and translucent layer.

8. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes at least one of a chemical, solution, dye, layered material, pigment, encapsulated pigment, coating, film, thread, plastic, ink, concentrate, thermoplastic matrix, thermoset matrix, fiber, paper, and planchette.

9. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes at least one of invisible, visible ~~or and~~ colored compounds.

10. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes an infrared ink.

11. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes an infrared ink comprising in the range of about 0.001 to 40.0 wt.(%) of an infrared activated material.

12. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes an optically recognizable compound.

13. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound is configured to at least one of block, diffuse, reflect, refract and absorb infrared light.

14. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes at least one of a binder, UV absorber, reflector, antioxidant, optical brightener, color shifter, chemical configured to improve processing, and chemical configured to adjust rheological properties.

15. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 2% Epolin VII-164 dye, about 98% Tech Mark Mixing Clear, about 980.0g of Tech Mark solvent evaporative screen ink, about 20.0g of Epolight VII-164 dye.

16. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 15.0 lbs of Epolin VII-164 dye, about 965 lbs of Tech Mark Mixing Clear, and about 20.0 lbs of Epolight VI-30 dye.

17. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 30.0 grams of Epolight VII-172 dye, 700.0 grams of polyvinylchloride plastic, and 99.0 lbs of PVC.

18. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes PET plastic.

19. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 0.80 grams Tech Mark mixing clear, about 0.07 grams VMCA resin, about 0.10 grams cyclohexanone, and about 0.03 grams ~~epolight~~Epolight vii~~VII~~-164.

20. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 0.55 grams vinyl VMCA resin, about 0.35 grams BEP solvent, about 0.05 grams cyclohexanone, about 0.03 grams ~~epolight~~Epolight ~~vi~~vii~~VI~~VII-164, and 0.02 grams ~~epolight~~Epolight ~~vi~~VI-30.

21. (AMENDED) The ~~transparent~~transaction device of claim 1, wherein said machine recognizable compound includes: about 0.90 grams TM mixing clear, about 0.03 grams cyclohexanone, about 0.03 grams ~~epolight~~Epolight ~~vi~~vii~~VI~~VII-164, about 0.02 grams ~~epolight~~Epolight ~~vi~~VI-30, and about 0.02 grams ~~epolight~~Epolight 6084.

22. (AMENDED) The ~~transparent~~transaction device of claim 1, ~~further~~comprising a second transponder responsive to a second RF interrogation signal, said first RF interrogation signal different from said second RF interrogation signal.

23. (AMENDED) ~~A system according to~~The transaction device of claim 1~~76~~, wherein said transponder system ~~further~~includes a transponder system protocol/sequence controller in communication with at least one of said first transponder, said second transponder, said transponder system authentication circuit, and said transponder system database, said transponder system protocol/sequence controller configured to control the order of operation of said first transponder, said second transponder, said transponder system authentication circuit, and said transponder system database.

24. (AMENDED) ~~A system according to~~The transaction device of claim 1~~72~~3, wherein said transponder system ~~further~~comprises at least one of a first transponder system antenna and a second transponder system antenna, said first transponder system antenna configured to receive said first RF interrogation signal, and said second transponder system antenna configured to receive said second RF interrogation signal.

25. (AMENDED) ~~A system according to~~The transaction device of claim 1~~82~~3, wherein said transponder system protocol/sequence controller is responsive to at least one of said first RF

interrogation signal and said second RF interrogation signal, said transponder protocol/sequence controller controlling the sequence of operation at least one of said transponder system authentication circuit, and said transponder system database, in response to at least one of said first RF interrogation signal and said second RF interrogation signal.

26. (AMENDED) ~~A system according to~~ The transaction device of claim 1825, wherein said transponder system protocol/sequence controller is configured to activate said transponder system authentication circuit in response to said first RF interrogation signal, said transponder system authenticating circuit configured to provide an encrypted RF interrogation signal, said transponder system authentication circuit configured to provide said encrypted RF interrogation signal to said first transponder for providing to a RFID reader.

27. (AMENDED) ~~A system according to~~ The transaction device of claim 1, wherein said transponder system database is operable to store at least one of a transponder system identification data, a RFID reader decryption security key, and a transponder system account data.

28. (AMENDED) ~~A system according to~~ The transaction device of claim 2227, wherein said transponder system database is configured to provide said RFID reader decryption security key to said transponder system authentication circuit in response to a encrypted authentication code.

29. (AMENDED) ~~A system according to~~ The transaction device of claim 1, wherein said transponder system ~~further~~includes an internal power source.

30. (AMENDED) ~~A system according to~~ The transaction device of claim 2429, wherein said transponder system ~~further~~includes a biometric circuit, said biometric circuit in communication with said internal power source.

31. (AMENDED) ~~A system according to~~ The transaction device of claim 2530, wherein said biometric circuit is configured to provide a biometric data verification response, said biometric circuit configured to provide said biometric data verification response to at least one of said

RFID reader and a merchant system, wherein said biometric data verification response is an identification verification data.

32. (AMENDED) ~~A transparent~~ The transaction device comprising:

- a. at least one of a translucent and transparent device surface;
- b. a machine recognizable compound associated with a portion of said surface;
- c. at least one of a holographic foil, an integrated circuit chip, a magnetic stripe, an opacity gradient, embossed characters, signature field, and text and logo; and,
- d. a transponder system including a RFID circuitry operable to receive a first RF interrogation signal, and to authenticate said first RF interrogation signal, said transponder system comprising a first transponder responsive to said first RF interrogation signal.

33. (AMENDED) The ~~transparent~~ transaction device of claim ~~27~~32, wherein said machine recognizable compound includes at least one of a coating, film, thread, plastic, ink, fiber, paper, and planchette.

34. (AMENDED) ~~A transparent~~ The transaction device comprising:

- a. at least one of an opaque, translucent and transparent device surface;
- b. a machine recognizable compound associated with a portion of said surface;
- c. a holographic foil;
- d. an integrated circuit chip;
- e. a RFID circuitry; and
- f. a magnetic stripe.

35. (AMENDED) ~~A~~ The process for fabricating a transparent transaction device including placing IR film between two layers of PET GS and incorporating RFID circuitry.

36. (AMENDED) The process of claim ~~34~~35 ~~further~~ comprising chemical deposition by at least one of vacuum coating, solar coating and Magnetron sputtering, providing a laminate, and providing a core layer and adhering the layers of the device with adhesive.

37. (AMENDED) A~~transparent~~The transaction device at least a portion of which is substantially transmissive to visible light, comprising:

- a. at least one of a translucent and transparent device surface;
- b. a machine recognizable compound covering at least a portion of said device surface, wherein said machine recognizable compound is substantially transmissive to visible light; and,
- c. a RFID circuitry interfacing in communication with said surface, said RFID circuitry including a transponder responsive to a first interrogation signal.

38. (AMENDED) A~~transparent~~The transaction device at least a portion of which is substantially transmissive to visible light, comprising:

- a. at least one of a translucent and transparent device surface;
- b. at least one of a holographic foil, an integrated circuit chip, a magnetic stripe, an opacity gradient, embossed characters, signature field, text and logo;
- c. a machine recognizable compound covering at least a portion of said device surface, wherein said machine recognizable compound is substantially transmissive to visible light; and
- d. a RFID circuitry interfacing in communication with said surface, said RFID circuitry including a transponder responsive to a first interrogation signal.

39. (AMENDED) AThe process for fabricating a transparent transaction device at least a portion of which is substantially transmissive to visible light, comprising:

- a. placing machine recognizable compound between at least two layers of PET IR forming a subassembly; and
- b. placing a RFID circuitry between at least one layer of the PET and the machine recognizable compound.

40. (AMENDED) AThe process for fabricating a transparent transaction device at least a portion of which is substantially transmissive to visible light, comprising:

- a. placing machine recognizable compound between at least two layers of PET IR forming a subassembly;
- b. placing the subassembly between at least two layers of polyvinylchloride; and
- c. placing a RFID circuitry between at least one layer of the polyvinylchloride and at least one layer of the subassembly.

Please add the following new claims prior to examination:

- 41. (NEW) The transaction device of claim 2, wherein said transponder system comprises a transponder system antenna operable to receive said RF interrogation signal.
- 42. (NEW) The transaction device of claim 41, wherein said transponder system antenna is disposed between at least one of said machine recognizable compound and at least one of said transparent layer and transparent layer.
- 43. (NEW) The transaction device of claim 5, wherein said subassembly includes said transponder system, said transponder system comprising a transponder system antenna disposed between at least one of: said machine recognizable compound and at least one of said transparent layer and transparent layer, said second layer and at least one of said transparent layer and transparent layer, and said machine recognizable compound and said second layer.
- 44. (NEW) The transaction device of claim 7, wherein said transponder system comprises a transponder system antenna operable to receive said interrogation signal.
- 45. (NEW) The transaction device of claim 44, wherein said transponder system antenna is disposed between at least two of said plurality of layers.
- 46. (NEW) The transaction device of claim 24, wherein at least one of said first transponder system antenna and said second transponder system antenna is disposed between one of said machine recognizable compound and at least one of said transparent layer and transparent layer.